S2700&S3700 Series Ethernet Switches

V100R006C03

Quick Start

Issue   02

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About This Document

Intended Audience

This document describes how to verify basic functions of the S2700, S2752, S3700 during the deployment to ensure stable and reliable running of the S2700, S2752, S3700 on the network.

This document is intended for:

- Data configuration engineers
- Commissioning engineers
- Network monitoring engineers
- System maintenance engineers

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
⚠ **DANGER**	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.
⚠ **WARNING**	Indicates a hazard with a medium or low level of risk, which if not avoided, could result in minor or moderate injury.
⚠ **CAUTION**	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
⊶ TIP	Indicates a tip that may help you solve a problem or save time.
📖 NOTE	Provides additional information to emphasize or supplement important points of the main text.

Command Conventions

The command conventions that may be found in this document are defined as follows.

Convention	Description
Boldface	The keywords of a command line are in **boldface**.
Italic	Command arguments are in *italics*.
[ ]	Items (keywords or arguments) in brackets [ ] are optional.
{ x | y | ... }	Optional items are grouped in braces and separated by vertical bars. One item is selected.
[x | y | ...]	Optional items are grouped in brackets and separated by vertical bars. One item is selected or no item is selected.
{ x | y | ... }*	Optional items are grouped in braces and separated by vertical bars. A minimum of one item or a maximum of all items can be selected.
[x | y | ...]*	Optional items are grouped in brackets and separated by vertical bars. Several items or no item can be selected.
&<1-n>	The parameter before the & sign can be repeated 1 to n times.
#	A line starting with the # sign is comments.

Change History

Updates between document issues are cumulative. Therefore, the latest document issue contains all changes made in previous issues.

Changes in Issue 02 (2012-10-27)

Based on issue 01 (2012-06-30), the document is updated as follows:

● Some contents are modified according to updates in the product such as features and commands.

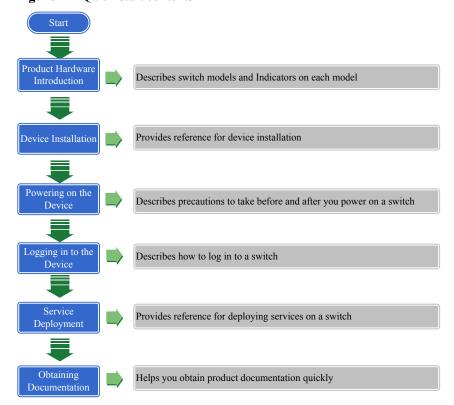## Changes in Issue 01 (2012-06-30)

Initial commercial release.

Contents

1 Overview

This section provides an overview of quick start.

This document helps you quickly learn how to use the S2700&S3700. **Figure 1-1** shows the quick start contents.

Figure 1-1 Quick start contents

2 Product Hardware Introduction

About This Chapter

This section describes models and indicators of low-end switches.

2.1 S2700 Introduction

This section describes S2700 models.

Device Models

To meet diverse customer requirements, the S2700 provides a variety of models. **Table 2-1** lists these device models.

You can select a device model as required.

Table 2-1 Device models

Product Series	Model	Maximum Number of Interfaces
S2700	S2700-9TP-SI-AC S2700-9TP-EI-AC S2700-9TP-EI-DC	9 There are eight 10/100BASE-T Ethernet interfaces and one GE combo interface (10/100/1000BASE-T +100/1000BASE-X).
	S2700-18TP-SI-AC S2700-18TP-EI-AC	18 There are sixteen 10/100BASE-T Ethernet interfaces and two GE combo interfaces (10/100/1000BASE-T +100/1000BASE-X).
	S2700-26TP-SI-AC S2700-26TP-EI-AC S2700-26TP-EI-DC	26 There are twenty-four 10/100BASE-T Ethernet interfaces and two GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X).
	S2700-52P-EI-AC S2710-52P-SI-AC S2700-52P-PWR-EI S2710-52P-PWR-SI	52 There are forty-eight 10/100BASE-T Ethernet interfaces, two 100/1000BASE-X Ethernet optical interfaces, and two GE SFP interfaces.
	S2700-9TP-PWR-EI	9 There are eight 10/100BASE-T Ethernet interfaces and one GE combo interface (10/100/1000BASE-T +100/1000BASE-X).
	S2700-26TP-PWR-EI	26 There are twenty-four 10/100BASE-T Ethernet interfaces and two GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X).

Naming Rules

The following are the naming rules of the S2700-26TP-PWR-EI, S2710-52P-SI-AC, S2700-52P-EI, and S2700-9TP-SI.

Figure 2-1 Naming rules

<div align="center">

S2700-26TP-PWR-EI
A B C D E F G

S2710-52P-SI-AC
A B C D E G H

S2700-52P-EI-AC
D E G H

S2700-9TP-SI
D E G

</div>

Identifier	Description
A	Switch.
B	Product series. "27" indicates the S2700 series.
C	Product subseries.
D	Maximum number of interfaces. **NOTE** The number of interfaces on an S2700 can be 9, 18, 26, or 52, depending on the device model.
E	Uplink interface type: ● **P**: A device has optical interfaces. ● **TP**: A device has combo interfaces supporting optical and electrical interfaces.

Identifier	Description
F	The S2700 supports Power over Ethernet (PoE). **NOTE** If this letter is not displayed, PoE is not supported.
G	Software version type: ● **EI**: enhanced version, supporting enhanced features. ● **SI**: standard version, supporting basic features.
H	Powering mode: ● **AC**: alternating current power ● **DC**: direct current power

2.2 S3700 Introduction

This section describes S3700 models.

Device Models

To meet diverse customer requirements, the S3700 provides a variety of models. **Table 2-2** lists these device models.

You can select a device model as required.

Table 2-2 Device models

Product Series	Model	Maximum Number of Interfaces
S3700	S3700-28TP-SI-AC S3700-28TP-SI-DC S3700-28TP-EI-AC S3700-28TP-EI-DC S3700-28TP-EI-MC-AC	28 There are twenty-four 10/100BASE-T Ethernet interfaces, two GE SFP interfaces, and two GE combo interfaces (10/100/1000BASE-T +100/1000BASE-X).
	S3700-28TP-EI-24S-AC	28 There are twenty-four 100BASE-X Ethernet interfaces, two GE SFP interfaces, and two GE combo interfaces (10/100/1000BASE-T +100/1000BASE-X).

Product Series	Model	Maximum Number of Interfaces
	S3700-52P-SI-AC S3700-52P-EI-AC S3700-52P-EI-DC	52 There are forty-eight 10/100BASE-T Ethernet interfaces, two 100/1000BASE-X Ethernet optical interfaces, and two GE SFP interfaces.
	S3700-52P-EI-24S-AC S3700-52P-EI-24S-DC	52 There are twenty-four 10/100BASE-T Ethernet interfaces, twenty-four 100BASE-X Ethernet interfaces, two 100/1000BASE-X Ethernet optical interfaces, and two GE SFP interfaces.
	S3700-52P-EI-48S-AC S3700-52P-EI-48S-DC	52 There are forty-eight 100BASE-X Ethernet interfaces, two 100/1000BASE-X Ethernet optical interfaces, and two GE SFP interfaces.
	S3700-28TP-PWR-EI S3700-28TP-PWR-SI	28 There are twenty-four 10/100BASE-T Ethernet interfaces, two GE SFP interfaces, and two GE combo interfaces (10/100/1000BASE-T +100/1000BASE-X).
	S3700-52P-PWR-EI S3700-52P-PWR-SI	52 There are forty-eight 10/100BASE-T Ethernet interfaces, two 100/1000BASE-X Ethernet optical interfaces, and two GE SFP interfaces.

Naming Rules

The following are the naming rules of the S3700-28TP-PWR-EI, S3700-52P-EI-24S, S3700-28TP-EI-MC, and S3700-28TP-SI.

Figure 2-2 Naming rules

S3700-28TP-PWR-EI
A   B   C   D   E   F

S3700-52P-EI-24S-DC
C   D   F   G   H

S3700-28TP-SI-AC
C   D   F   H

S3700-28TP-EI-MC-AC
C   D   F   I   H

Identifier	Description
A	Switch.
B	Product series. "37" indicates the S3700 series.
C	Maximum number of interfaces. **NOTE** The number of interfaces on an S3700 can be 28, or 52, depending on the device model.
D	Uplink interface type: ● **P**: A device has optical interfaces. ● **TP**: A device has combo interfaces supporting optical and electrical interfaces.
E	The S3700 supports Power over Ethernet (PoE). **NOTE** If this letter is not displayed, PoE is not supported.

Identifier	Description
F	Software version type: ● **EI**: enhanced version, supporting enhanced features ● **SI**: standard version, supporting basic features
G	Downlink interface type. The value 24S indicates that 24 downlink interfaces of the S3700-52P-EI-24S are optical interfaces. **NOTE** 　If this letter is not displayed, all downlink interfaces are electrical interfaces.
H	Powering mode: ● **AC**: alternating current power ● **DC**: direct current power
I	The device has monitoring interfaces.

2.3 S2700 Indicator Description

Indicators of a Non-PoE S2700

S2700-9TP-SI-AC is a non-PoE switch.

Figure 2-3 S2700-9TP-SI-AC indicators
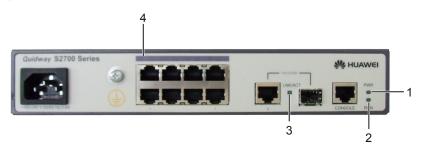
Table 2-3 Description of S2700-9TP-SI-AC indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR	Off	The switch is powered off.
			Green	The switch is powered on.
2	System status indicator	RUN	Off	The system is not operating.
			Green	The system is not operating properly or is starting.

No.	Indicator	Identifier	Status	Description
			Blinking green	The system is operating properly.
3	Port indicator	LNK/ACT	Off	The interface is not connected or has been shut down.
4			Green	The interface is connected.
			Blinking green	The interface is sending or receiving data.

📖 **NOTE**

> SYS on the front panel of an S2710-52P-SI-AC indicates the system status indicator. The indicator status, the meanings, and their relationships are the same as those indicated by RUN in the preceding table.

Indicators of a PoE S2700

S2700-26TP-PWR-EI is a PoE switch.

📖 **NOTE**

> S2700-9TP-PWR-EI has only one power supply unit, so the power indicator is identified by PWR.
>
> The indicator status, the meanings, and their relationships on an S2700-52P-PWR-EI are the same as those on an S2710-52P-PWR-SI.

Figure 2-4 S2700-26TP-PWR-EI indicators

Table 2-4 Description of S2700-26TP-PWR-EI indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR1	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.

No.	Indicator	Identifier	Status	Description
			Red	• Two power supply units are installed properly, but not switched on. • The power supply units are switched off. • The card power and PoE power are abnormal.
			Orange	If a single power supply unit is installed, the PoE power is out of range. If two power supply units are installed, the card power or PoE power is out of range.
2	Power indicator	PWR2	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.
			Red	• Two power supply units are installed properly, but not switched on. • The power supply units are switched off. • The card power and PoE power are abnormal.
			Orange	If a single power supply unit is installed, the PoE power is out of range. If two power supply units are installed, the card power or PoE power is out of range.
3	System status indicator	SYS	Off	The system is not operating.
			Green	The system is not operating properly or is starting.
			Orange	The system is performing self-check during startup.

No.	Indicator	Identifier	Status	Description
			Blinking green	The system is operating properly.
			Red	After registering, the system does not operate properly, or a power alarm, fan alarm, or temperature alarm is generated.
4	Mode indicator	-	Off	The service interface indicator is in the default mode (STAT).
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to off.
			Orange	The service interface indicator indicates the PoE status. After 45 seconds, the service interface indicator automatically restores to off.

As shown in **Figure 2-4**, the S2700 has a mode switching button (5). You can press the mode switching button to change the display mode of the mode indicator. The status of the mode indicator represents the display mode of the related interface indicator. For example, when you press the mode switching button once on S2700-9TP-PWR-EI, the mode indicator turns green and the related interface indicator enters the speed state. When you press the mode switching button for a second time, the mode indicator turns orange and the related interface indicator represents the PoE power status. When you press the mode switching button for a third time, the mode indicator restores to the default state (off). If you do not press the mode switching button within 45 seconds, the mode indicator automatically restores to off.

The following table describes the meanings of indicators.

Table 2-5 Description of indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.

Display Mode	Status	Description
Speed	Off	The interface is not connected or has been shut down.
	Green	The interface speed is 10/100 Mbit/s.
	Blinking green	The interface speed is 1000 Mbit/s.
PoE	Off	The interface does not provide remote power.
	Green	The interface is providing remote power.
	Blinking green	The power of the powered device (PD) exceeds the power supply capability of the port or exceeds the threshold.

Figure 2-5 S2710-52P-PWR-SI indicators

Table 2-6 Description of S2710-52P-PWR-SI indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR1	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.

No.	Indicator	Identifier	Status	Description
			Red	● Two power supply units are installed properly, but not switched on. ● The power supply units are switched off. ● The card power and PoE power are abnormal.
			Orange	If a single power supply unit is installed, the PoE power is out of range. If two power supply units are installed, the card power or PoE power is out of range.
2	Power indicator	PWR2	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.
			Red	● Two power supply units are installed properly, but not switched on. ● The power supply units are switched off. ● The card power and PoE power are abnormal.
			Orange	If a single power supply unit is installed, the PoE power is out of range. If two power supply units are installed, the card power or PoE power is out of range.

No.	Indicator	Identifier	Status	Description
3	System status indicator	SYS	Off	The system is not operating.
			Green	The system is not operating properly or is starting.
			Orange	The system is performing self-check during startup.
			Blinking green	The system is operating properly.
			Red	After registering, the system does not operate properly, or a power alarm, fan alarm, or temperature alarm is generated.
4	Mode indicator	-	Off	The service interface indicator is in the default mode (STAT).
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to off.
			Orange	The service interface indicator indicates the PoE status. After 45 seconds, the service interface indicator automatically restores to off.
			Red	The service interface indicator indicates the stack ID. After 45 seconds, the service interface indicator automatically restores to off.

As shown in **Figure 2-5**, the button marked "5" is the mode switching button. On an S2700, you can press the mode switching button to switch the display modes of interface indicators. The status of the mode indicator represents the display mode of the related interface indicator. For example, the mode indicator of S2710-52P-PWR-SI is off and the interface indicators are in STAT state by default. When you press the mode switching button once, the mode indicator turns green and the related interface indicator enters the speed state. When you press the mode switching button for a second time, the mode indicator turns orange and the related interface indicator represents the PoE power status. When you press the mode switching button for a third time, the mode indicator turns red and the related interface indicator represents the stack status. When you press the mode switching button for a fourth time, the mode indicator restores to the default state (off). If you do not press the mode switching button within 45 seconds, the mode indicator automatically restores to off.

The following table describes the meanings of indicators.

Table 2-7 Description of indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	The interface speed is 10 Mbit/s or 100 Mbit/s.
	Blinking green	The interface speed is 1000 Mbit/s.
PoE	Off	The interface does not provide remote power.
	Green	The interface is providing remote power.
	Blinking green	The power of the powered device (PD) exceeds the power supply capability of the port or exceeds the threshold.
Stack	Off	The stack ID of the member switch is not the number of an interface in the off state.

Display Mode	Status	Description
	Green	The device is a not a command switch: ● If the indicator of an interface is always on, the number of this interface is the stack ID of the device. ● If the first nine interface indicators of the device are always on, the stack ID of the device is 0.
	Blinking green	The device is a command switch: ● If the indicator of an interface blinks, the number of this interface is the stack ID of the device. ● If the first nine interface indicators of the device blink, the stack ID of the device is 0.

2.4 S3700 Indicator Description

This section describes the indicators on the S3700 front panel.

Indicators of a Non-PoE S3700

S3700-28TP-SI-AC is a non-PoE switch that has a single power supply unit.

Figure 2-6 S3700-28TP-SI-AC indicators

Table 2-8 Description of S3700-28TP-SI-AC indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR	Off	The switch is powered off.
			Green	The switch is powered on.

No.	Indicator	Identifier	Status	Description
2	System status indicator	RUN	Off	The system is not operating.
			Green	The system is not operating properly or is starting.
			Blinking green	The system is operating properly.
3	Port indicator	LNK/ACT	Off	The interface is not connected or has been shut down.
			Green	The interface is connected.
			Blinking green	The interface is sending or receiving data.

Indicators of a PoE S3700

S3700-52P-PWR-EI is a PoE switch.

Figure 2-7 S3700-52P-PWR-EI indicators

Table 2-9 Description of S3700-52P-PWR-EI indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR1	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.

No.	Indicator	Identifier	Status	Description
			Red	● Two power supply units are installed properly, but not switched on. ● The power supply units are switched off. ● The card power and PoE power are abnormal.
			Orange	If a single power supply unit is installed, the PoE power is out of range. If two power supply units are installed, the card power or PoE power is out of range.
2	Power indicator	PWR2	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.
			Red	● Two power supply units are installed properly, but not switched on. ● The power supply units are switched off. ● The card power and PoE power are abnormal.
			Orange	If a single power supply unit is installed, the PoE power is out of range. If two power supply units are installed, the card power or PoE power is out of range.

No.	Indicator	Identifier	Status	Description
3	System status indicator	SYS	Off	The system is not operating.
			Green	The system is not operating properly or is starting.
			Orange	The system is performing self-check during startup.
			Blinking green	The system is operating properly.
			Red	After registering, the system does not operate properly, or a power alarm, fan alarm, or temperature alarm is generated.
4	Mode indicator	-	Off	The service interface indicator is in the default mode (STAT).
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to off.
			Orange	The service interface indicator indicates the PoE status. After 45 seconds, the service interface indicator automatically restores to off.
			Red	The service interface indicator indicates the stack ID. After 45 seconds, the service interface indicator automatically restores to off.

As shown in **Figure 2-7**, the button marked "5" is the mode switching button. On an S3700, you can press the mode switching button to switch the display modes of interface indicators. The status of a mode indicator represents the display mode of the related interface indicator. For example, the mode indicator of S3700-28TP-PWR-EI is off and the interface indicators are in STAT state by default. When you press the mode switching button once, the mode indicator turns green and the related interface indicator enters the speed state. When you press the mode switching button for a second time, the mode indicator turns orange and the related interface indicator represents the PoE power status. When you press the mode switching button for a third time, the mode indicator turns red and the related interface indicator represents the stack status. When you press the mode switching button for a fourth time, the mode indicator restores to the default state (off). If you do not press the mode switching button within 45 seconds, the mode indicator automatically restores to off.

The following table describes the meanings of indicators.

Table 2-10 Description of indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	The interface speed is 10/100 Mbit/s.
	Blinking green	The interface speed is 1000 Mbit/s.
PoE	Off	The interface does not provide remote power.
	Green	The interface is providing remote power.
	Blinking green	● The power of the powered device (PD) exceeds the power supply capability of the port or exceeds the threshold.
Stack	Off	The stack ID of the member switch is not the number of an interface in the off state.

Display Mode	Status	Description
	Green	The device is a not a command switch: - If the indicator of an interface is always on, the number of this interface is the stack ID of the device. - If the first nine interface indicators of the device are always on, the stack ID of the device is 0.
	Blinking green	The device is a command switch: - If the indicator of an interface blinks, the number of this interface is the stack ID of the device. - If the first nine interface indicators of the device blink, the stack ID of the device is 0.

3 Device Installation

This section describes how to install the S2700&S3700.

For details on device installation, see the *S2700&3700&5700&6700 Quick Installation Guide*.

☷ **NOTE**

You can obtain the paper documentation of the Quick Installation Guide from delivered accessories. To obtain the electronic documentation of the Quick Installation Guide, see Where to Obtain Documentation.

4 Powering on the Device

About This Chapter

This section describes the check items and the procedure for powering on and powering off the device.

After hardware installation is complete, you need to check the device installation and cable installation.

4.1 Checking Before Power-on

After hardware installation is complete, you need to check the device installation and cable installation.

📖 **NOTE**

Before power-on, you need to check the device cabinet, cables, connectors, sockets, labels, and on-site environment.

Device Installation Checklist

⚠️ **CAUTION**

Before power-on, all the power distribution cabinets and power distribution frames must be off.

Table 4-1 describes the device installation checklist.

Table 4-1 Device installation checklist

No.	Item	Method
1	The cabinet is installed according to the dimensions on the design paper.	Check the cabinet according to the project design document.
2	The expansion bolts for fixing the cabinet or base (support) to the ground are fastened. The plain washer, spring washer, and nut (bolt) are installed correctly.	-

No.	Item	Method
3	The installation holes on the support and the expansion bolts adapt to each other to ensure insulation between the support and the ground and between the floor bracket and the guide rail.	Use the multimeter to measure the resistance between the bolt and the ground bolt of the rack. The resistance must be more than five mega ohms.
4	The surfaces of the cabinets in the same row should be on the same plane. The cabinets are arranged closely and tidily. The cabinets on the sides of the main path are aligned. The position error should be less than 5 mm.	-
5	The accessories of the front and rear doors are completely installed and the connection board is installed for combining cabinets.	-
6	The front door of a cabinet can be opened and closed easily.	Open the door lock. Close the door lock.

No.	Item	Method
7	The card is installed and removed easily. The screws on the panel should be appropriately tightened and easily disassembled. The spring wire is intact.	-
8	The cabinet surface must be tidy and clean; the components of the cabinet cannot be distorted; all identifiers are correct, clear, and complete.	-
9	The cabinet is kept clean and there are no excessive binding straps and other articles in the cabinet.	-
10	The ESD wrist straps are connected the ESD jack in the chassis.	
11	Blank panels are installed in all empty slots.	-

Cable Installation Checklist

Table 4-2 describes the cable installation checklist.

Table 4-2 Cable installation checklist

No.	Item	Method
1	The power cables and ground cables must be the copper wires and have no splice. The cables are safely connected complying with standards.	-

No.	Item	Method
2	The power cables and ground cables are connected safely. The spring washer of the ground cable terminal is on the flat washer.	-
3	The lugs of the power cables and ground cables are soldered or crimped tightly.	-
4	The power cables and ground cables are not crossed and are separated from other cables.	
5	The redundant part of the power cables and ground cables should be cut. The cables cannot be circled.	-
6	The ground cables must be tightly connected to the doors of the cabinet.	-
7	Labels are filled and attached to power cables and PGND cables; power cables and PGND cables including power distribution switches are labeled correctly and clearly. Labels are attached 20 mm from the connector.	-
8	The clearance between the power cable, PGND cable, and signal cable must be more than 30 mm.	-

Table 4-3 describes the cabinet cable checklist.

Table 4-3 Cabinet cable checklist

No.	Item	Method
1	Cables are correctly connected.	-
2	Cable ties are not overlapped and connectors are smooth.	-

Table 4-4 describes the signal cable checklist.

Table 4-4 Signal cable checklist

No.	Item	Method
1	All the signal cables to be deployed pass the continuity check.	-
2	No signal cable is placed on the heat dissipation holes of the cabinet.	-
3	The bent part of a signal cable cannot be too tight.	
4	The cables in the cabinet cannot be crossed and the cables outside the cabinet are bound.	-
5	The two ends of a signal cable are clearly identified by labels and the texts on the labels are in the same direction.	-
6	The bolts that fix the cables are tightened.	-

4.2 Powering on the Device

Turn on the power module of the device.

4.3 Checking After Power-on

Check the following items after the device is powered on:

- The sound of fan rotating can be heard and that the air exhaust from the air vents can be felt.
- The indicators of the power modules run normally. Normally, the INPUT and OUTPUT indicators are on.
- The indicators of the fan modules run normally. Normally, the STATUS indicator is on.

5 Logging in to the Device

About This Chapter

This section describes how to log in to the device.

Before configuring the switch, you must log in to the Web system client.

5.1 Logging In to the Switch Through the Console Interface

Context

When establishing the configuration environment through the console interface, you can log in to theS2700&3700 through the HyperTerminal in Windows.

Procedure

Step 1 Start the HyperTerminal.

Choose **Start** > **All Program** > **Accessories** > **Communications** > **HyperTerminal** to start the HyperTerminal in Windows XP.

Step 2 Set up a connection.

See **Figure 5-1**. Enter the name of the new connection in the **Name** text box and then choose one icon. Then, click **OK**.

Figure 5-1 Setting up a connection

Step 3 Configure an interface for connection.

In the **Connect To** dialog box, as shown in **Figure 5-2**, select an interface from the drop-down list box according to the actual interface on the PC or terminal. Next, click **OK**.

Figure 5-2 Configuring the interface for connection

Step 4 Set communication parameters.

When the **COM1 Properties** dialog box is displayed as shown in **Figure 5-3**, specify the parameters listed in **Table 5-1**.

📖 **NOTE**

In other Windows operating systems, bits per second may be described as baud rate and data stream control may be described as traffic control.
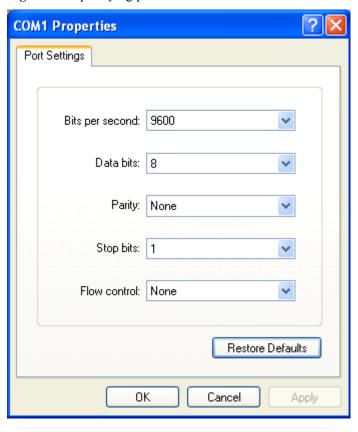
Figure 5-3 Specifying parameters

Table 5-1 Parameters

Parameter	Value
Bit per second (baud rate)	9600
Data bit	8
Parity check	None
Stop bit	1
Flow control (traffic control)	None

Step 5 After the HyperTerminal starts, choose **FileAttributes** to display the **COMM1 Properties** dialog box, as shown in **Figure 5-4**. On the **Setting** tab, select VT100 in the **Emulation** drop-down list box. Click **OK** to complete the setting.
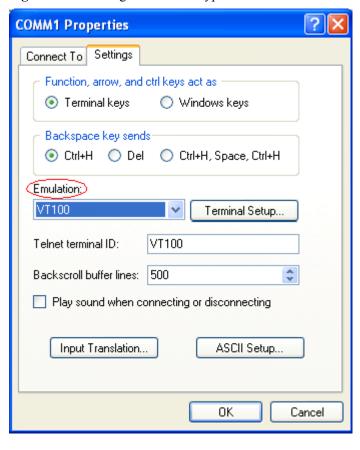
Figure 5-4 Selecting the terminal type

----End

Follow-up Procedure

After the preceding configurations are complete, press **Enter**. If the prompt <Quidway> is displayed on the screen, it indicates that the Command Line Interface (CLI) is displayed. In this case, you can enter commands to configure or manage the S2700&3700. For details on configuration procedures, see the following sections.

5.2 Example for Configuring to Manage the Switch Through Telnet

Networking Requirements

As shown in **Figure 5-5**, SwitchA is newly added to the network. SwitchA and SwitchB are connected through a trunk link. To enable the network administrator to manage SwitchA remotely, you need to configure the Telnet service and set the device name on SwitchA.
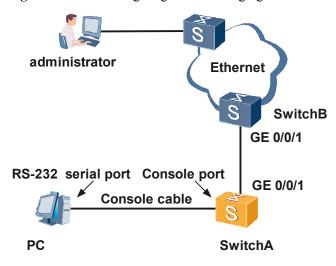
Figure 5-5 Networking diagram of managing SwitchA through Telnet

Configuration Roadmap

The configuration roadmap is as follows:

- Log in to SwitchA through the console interface.
- Set the device name.
- Configure a management VLAN.
- On SwitchA, set the type of the interface that connects SwitchA and SwitchB to trunk. Add the interface to the management VLAN in trunk mode.
- Configure the management IP address of SwitchA.
- Configure the Telnet service.

Data Preparation

To complete the configuration, you need the following data:

- ID of the management VLAN
- Management IP address of SwitchA
- Number of the interface that connects SwitchA and SwitchB on SwitchA
- Authentication mode, user name, and password

Configuration Procedure

1. Log in to SwitchA through the console port. For details, see Logging In to the Switch Through the Console Interface.

2. Set the device name of SwitchA.

   ```
   <Quidway> system-view
   [Quidway] sysname SwitchA
   ```

3. Configure a management VLAN.

   ```
   [SwitchA] vlan 1
   [SwitchA-vlan1] description admin_VLAN
   ```

4. On SwitchA, set the type of the interface that connects SwitchA and SwitchB to trunk. Add the interface to the management VLAN in trunk mode.

```
[SwitchA] interface Gigabitethernet 0/0/1
[SwitchA-GigabitEthernet0/0/1] port link-type trunk
[SwitchA-GigabitEthernet0/0/1] port trunk allow-pass vlan 1
[SwitchA-GigabitEthernet0/0/1] quit
```

5. Configure the management IP address of SwitchA.

```
[SwitchA] interface vlanif 1
[SwitchA-Vlanif1] ip address 10.10.10.10 255.255.255.0
[SwitchA-Vlanif1] quit
```

6. Configure the Telnet service on SwitchA:

- Set the authentication method to AAA, user name to huawei, and password to huawei.

- Set the service type to telnet and user level to 15.

- Configure AAA authentication for the users at the vty 0 to vty 4 levels.

```
[SwitchA] aaa
[SwitchA-aaa] local-user huawei password simple huawei
[SwitchA-aaa] local-user huawei service-type telnet
[SwitchA-aaa] local-user huawei privilege level 15
[SwitchA-aaa] quit
[SwitchA] user-interface vty 0 4
[SwitchA-ui-vty0-4] authentication-mode aaa
[SwitchA-ui-vty0-4] return
<SwitchA>
```

7. Verify the configuration.

📖 NOTE

When the administrator logs in to SwitchA through Telnet, ensure that the PC of the administrator and SwitchA are reachable at the network layer.

```
<SwitchA> telnet 127.0.0.1
Trying 127.0.0.1 ...
Press CTRL+T to abort
Connected to 127.0.0.1 ...
************************************************************
*           All rights reserved (2005-2007)              *
*       Without the owner's prior written consent,       *
* no decompiling or reverse-engineering shall be allowed. *
* Notice:                                                 *
*      This is a private communication system.           *
*   Unauthorized access or use may lead to prosecution.   *
************************************************************


Login authentication


Username:huawei
Password:
Note: The max number of VTY users is 15, and the current number
     of VTY users on line is 3.
<SwitchA>
```

Configuration Files

- SwitchA

```
#
sysname SwitchA
#
vlan batch 1
#
vlan 1
description admin_VLAN
```

```
#
interface Vlanif1
ip address 10.10.10.10 255.255.255.0
#
interface GigabitEthernet0/0/1
port link-type trunk
port trunk allow-pass vlan 1
#
aaa
local-user huawei password simple huawei
 local-user huawei service-type telnet
 local-user huawei privilege level 15
 authentication-scheme default
 #
 authorization-scheme default
 #
 accounting-scheme default
 #
 domain default
 #
user-interface con 0
user-interface vty 0 4
 authentication-mode aaa
#
return
```

5.3 Logging In to the Web System Client

Before configuring the switch, you must log in to the Web system client.

Context

- Before logging in to the Web system client, ensure that the switch has been commissioned and the Web system server is enabled on the switch.

- The Web system client connects to the switch through HTTP; therefore, you must log in to the Web system client through HTTP.

- The Web system client supports the Microsoft Internet Explorer 6.0 (IE6) and Firefox 3.0, or later versions. The Web system client described in this document uses the IE6.

Procedure

Step 1 Open Microsoft Internet Explorer 6.0 on the client.

Step 2 Enter the universal resource locator (URL) of the Web system client in the address bar and press **Enter**. The **User Login** dialog box is displayed, as shown in **Figure 5-6**.

The URL is in the format **http://IP/view/login.html**, for example, **http://10.164.19.131/view/login.html**.

Figure 5-6 Login

Step 3 Enter values in **User Name**, **Password**, and **Verify Code**.

- The local switch provides a default account. The user name and password of the account are **admin**.

- To create, change, or delete user names and passwords, choose **Security** > **AAA** > **User Management**.

- Users of levels 0, 1, and 2 has only visit-level rights,and can view only the **Ping** and **Tracert** pages after logging in to the client.

Step 4 Choose a language, for example, **English**.

- The Web system client of the current version supports Chinese and English.

- After logging in to the client, you can select another language from the **Language** drop-down list on the top right corner of the page.

Step 5 Click **Login**.

📖 NOTE

If you select **Save my password** before clicking **Login**, you do not need to enter the user name and password at next login.

After you log in to the Web system, the main page is displayed. For details about the main page, see Window Layout.

----End

6 Service Deployment

This section describes service deployment.

For details on service deployment, see the corresponding configuration guides.

7 Obtaining Documentation

You can obtain product documentation, online help, and release documents in various ways.

Product Documents

Table 7-1 shows how to obtain product documents.

Table 7-1 Obtaining product documents

Phase	How to Obtain Documentation	
	HedEx Library	**Single Electronic Document**
Installation	● From the electronic documentation delivered with the equipment ● From http://support.huawei.com ● From the local Huawei representative office	● From http://enterprise.huawei.com
Version upgrade	● From http://support.huawei.com ● From the local Huawei representative office	

□ NOTE

● Obtain the product documents from **http://enterprise.huawei.com** by choosing **Support** > **Documentation Center** > **IP Network & Security** > **Switches**.

Online Help

The online help is integrated and released with the product software. You can view the online help by:

● Selecting **Help** on the NMS interface

- Pressing **F1** on any interface of the NMS

Release Documents

Release documents are released with the software package. You can apply to Huawei technical support personnel for the documents.